

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 9, and 12 to read as follows.

1. (Currently Amended) A liquid crystal display apparatus, comprising:

~~at least one~~ a polarization plate,

a phase difference plate,

a pair of oppositely disposed substrates at least one of which is a transparent substrate
and the other is a reflective substrate,

a liquid crystal disposed between said pair of substrates, said liquid crystal being aligned homeotropically with respect to the pair of substrates when no voltage is applied to the liquid crystal, and

means for applying a voltage to said liquid crystal so that said liquid crystal is ~~modulated~~ aligned obliquely with respect to the pair of substrates with an angle depending on the voltage applied to said liquid crystal,

wherein said phase difference plate has a retardation so that light passing through said liquid crystal, said phase difference plate, and said polarization plate assumes chromatic color when the voltage is not applied to said liquid crystal, and

wherein the retardation of said liquid crystal cancels the retardation of ~~is placed in a second alignment state in which said liquid crystal is aligned obliquely compared with the first alignment state so that the retardation of said liquid crystal cancels the retardation of~~ said phase difference plate when the voltage is applied to said liquid crystal.

2. (Original) An apparatus according to claim 1, wherein, when a voltage having a value which is not more than a predetermined value is applied to said liquid crystal, the retardation of said liquid crystal is modulated in a hue change range in which the light passing through said liquid crystal, said phase difference plate, and said polarization plate assumes chromatic color and a hue of the chromatic color is changed depending on the applied voltage and, when a voltage having a value which is not less than the predetermined value is applied to said liquid crystal, the retardation of said liquid crystal is modulated in a light brightness change range in which a brightness of the light passing through said liquid crystal, said phase difference plate, and said polarization plate is changed depending on the applied voltage.

3. (Original) An apparatus according to claim 2, wherein the voltage having the predetermined value is a voltage for effecting white display.

4. (Original) An apparatus according to claim 2, wherein said apparatus effects black display when a maximum voltage which is not less than the voltage having a predetermined value is applied.

5. (Original) An apparatus according to claim 2, wherein said apparatus has a first area in which the retardation of said liquid crystal is modulated over the hue change range wherein the hue of the chromatic color is changed depending on the applied voltage having the value which is not more than the predetermined value and the brightness change range wherein

the brightness is changed depending on the applied voltage having the value which is not less than the predetermined value, and a second area in which a color filter is provided and the retardation of said liquid crystal is modulated in the hue change range wherein the brightness is changed depending on the applied voltage having the value which is not less than the predetermined value.

6. (Original) An apparatus according to claim 1, wherein the unit pixel is constituted by a plurality of sub-pixels including a first sub-pixel at which the retardation of said liquid crystal is modulated over the hue change range wherein the light passing through said liquid crystal, said phase difference plate, and said polarization plate assumes the chromatic color and the hue of the chromatic color is changed and a brightness change range wherein the light assumes achromatic color and a brightness of the achromatic color is changed, and a second sub-pixel at which a color filter is provided and the retardation of said liquid crystal is changed in the brightness change range wherein the brightness of the light passing through said liquid crystal, said phase difference plate, and said polarization plate is changed.

7. (Original) An apparatus according to claim 6, wherein the chromatic color at the first sub-pixel when the voltage is not applied to said liquid crystal is blue or bluish green.

8. (Original) An apparatus according to claim 7, wherein the color filter provided at the second sub-pixel is a green color filter.

9. (Currently Amended) An apparatus according to claim 8, wherein at the first sub-pixel, a color filter of color complementary to green is provided.

10. (Original) An apparatus according to claim 6, wherein the chromatic color at the first sub-pixel when the voltage is not applied to said liquid crystal is green.

11. (Original) An apparatus according to claim 10, wherein the color filter provided at the second sub-pixel is a red color filter.

12. (Currently Amended) An apparatus according to claim 11, wherein at the first sub-pixel, a color filter of color complementary to red is provided.

13. (Original) An apparatus according to claim 1, wherein said liquid crystal has a voltage range in which a change ratio of the retardation to a temperature is substantially zero.

14. (Original) An apparatus according to claim 1, wherein said phase difference plate has a biaxial refractive index.

15. (Original) An apparatus according to claim 14, wherein said phase difference plate has refractive indices n_x , n_y and n_z satisfying:

$$n_x > n_z > n_y,$$

wherein n_x represents a refractive index of said phase difference plate in an optical axis direction, n_y represents a refractive index in a direction perpendicular to the optical axis in a plane of said phase difference plate, and n_z represents a refractive index in a thickness direction of said phase difference plate.